INDEX OF VOLUME XIX

Names of contributors are set in small capitals

Académie des Sciences, 233
Accessions
  Anthropology, 235
  Astronomy, 351
  Library, 239, 358
  Ornithology, 753
  Palæontology, 495
ADAMS, CHARLES C., The New York State Wild Life Memorial to Theodore Roosevelt, 726–29
Adams, Edward D., 113, 261, 264, 351
Adventures in Beaver Stream Camp, 115
Ailuropus melanoleucus, 753
AKELEY, CARL E., Theodore Roosevelt and Africa, 12–14
Akeley, Carl E., 120, 228, 466, 756
Albert, S. A. S., Prince of Monaco, 233
ALLEN, JOEL ASAPH, Nelson's *Wild Animals of North America*, review, 330–33
Allen, J. A., 348, 502
Allen, James Lane, 396–403, 494
American Anthropological Society, 120
American Association for the Advancement of Science, seventy-first meeting of, 117, 756
American Association of Museums, annual meeting, 504
American Camp Directors' Association, 501
American Forestry Association, 235
American Geographical Society, 227, 511, 513
American Indian Poetry, 301–7
American Journal of Science, 502
American Medical Association, 751
American Ornithologists' Union, 228, 754
American Scenic and Historic Preservation Society, 236
American Society of Mammalogists, 502
Andrews, Roy C., 229, 355, 360
An "Old Tramp" among the Florida Keys, 657–64
Antelope, Mongolian, 355
Anthony, H. E., 733
Anticlines in the Big Horn Basin, 125
Archæology and ethnology, bureau of, in Mexico, 752
Argus marmoratus, 349
Arizona, University of, 500
Army Intelligence Tests, The, 671–79
ARPS, GEORGE F., The Army Intelligence Tests, 671–79
Art, Creating a National, 622–30; Dawn of, 621
Art Motives in Snow Crystals, 436–40
Atkinson, George F., 233
Audubon Societies, National Association of, 122
Auk, great, 753

BAILEY, ALFRED M., Notes on Our Hawaiian Reservation, 382–95; Observations on the Water Birds of Louisiana, 44–56
BAKER, FRANK COLLINS, Studies in Aquiculture or Fresh-water Farming, 478–88
Baker, George F., 239
Banks, Nathan, 342
BARBOUR, THOMAS, Boulenger, the Man and His Work, 566–67
Barnes, Wm., 342
BECK, ROLLO H., Recollections of Travel in Peru, 183–91
Beebe, C. William, 163, 352, 355, 755
Bees, 416–20
Belgium, royal family of, visited Museum, 747
Bequaert, J., 342
Beutenmüller, William, 341
Big Horn Basin, Wyoming, 125
Billy the Boy Naturalist, 115
Biological Surveys of States, 735–36
Bird Photographs of Unusual Distinction, 583–97; Sanctuaries, The New Gaspé, 372–81; Protection, 123
Birds, and a Wilderness, 723–25; collection from northwestern Peru, 753; hoactzin, 162–69; of the Hawaiian Reservation, 382–95; of Louisiana, 44–56; Royal Society for the Protection of, 228; whale, 359
Bison, The Coming Back of the, 552–65
Blaschke, Frederick, 697
Block, Otto, 360
Boas, Franz, 733
Boerker, R. H. D., 334
Boulenger, the Man and His Work, 566–67
Boyle, Howarth, 10
Brewster, William, 356: In Memoriam, 738–39
BRIDGMAN, HERBERT L., *Four Years in the White North*, review, 73–83
Bridgman, Herbert L., 228
BRIGHAM, EDWARD M., The Hoactzin—Only Survivor of an Ancient Order of Four-footed Birds, 162–69
British Columbia, 614–20
British Guiana, 714–22
British Museum, A New Director for the, 347–48
Britton, N. L., 352, 502
Brooklyn Museum, Desert Life Group in the, 122
BROOKS, ALLAN, Birds and a Wilderness, 723–25
Brown, Barnum, 733
Brussels, Museum of Natural History of, 117
Bureau of the Associated Mountaineering Clubs, 501
BURROUGHS, JOHN, Theodore Roosevelt, 4–7; A Letter from, 491
Burroughs, John, 227; *Fie'd and Study*, review, 571–82; series of bird photographs in honor of, 583–97, 755
BUTLER, ALBERT E., Notes by a Collector in the Colorado Rockies, 170–81
Butler, Albert E., 237
BUTLER, HOWARD RUSSELL, Painting the Solar Corona, 264–71
Butler, Howard Russell, 262, 351

Caldwell, Harry R., 355
Camp, Charles L., 354, 731
Campbell, W. W., 751
Carnegie Institution, marine research of the, 356; of Washington, 497
CHAPMAN, FRANK M., William Brewster: In Memoriam, 738–39
Chapman, Frank M., 9, 119, 753, 756
Cherrie, George K., 9, 221, 360, 756
Chicago, botanical garden, 754
Children's Museum of Boston, 754
China Monuments Society, 228; academic work in, 355
Chinese encyclopedia, a, 355
Chiriquians, Nature Reflected in the Art of the Ancient, 141–51
Chlorophora tinctoria, 238
Christman, Erwin S., 731
Cinema-microscopy an Essential to Modern Science and Education, 441–47
CLARKE, JOHN M., The New Gaspé Bird Sanctuaries, 372–81
Clarkin, Franklin, 495
Classical Association (England) The, 494
COCKERELL, T. D. A., Recollections of English Naturalists, 325–29; The Love of Nature, 570–82
Cockerell, T. D. A., 342
Cold Spring Harbor Biological Laboratory, 496
Coleman, Laurence V., 756
College of Fisheries in the Northwest, New, 367–69
Colorado Rockies, Notes by a Collector in, 170–81
Coming Back of the Bison, The, 552–65
CONKLIN, EDWIN GRANT, Has Progressive Evolution Come to an End? 35–39
Conserving Our Natural Resources of Sugar, 416–20
COOK, JAMES H., Wild Horses of the Plains, 104–110
Creating a National Art, 622–30
CURTIS, WINTERTON C., The Method and Knowledge of Science, 155–61

Dawn of Art, The, 621
Dean, Bashford, 353
De Booy, Theodore, 233
Destruction of Yellowstone Park Elk, 743
Dixon, H. H., 238
Dollo, Louis, 755
Dugmore, A. Radclyffe, 115
Dunbar, U. S. J., 235
Dwight, Jonathan, 346

Egret destruction, 122
EKBLAW, W. ELMER, The Plant Life of Northwest Greenland, 272–91

El Dorado, A Real, 714–22
Elephants, destruction of, in South Africa, 749
Elk, Destruction of, Yellowstone Park, 743
Elliot Medal, 753
English Naturalists, Recollections of, 325–29
Entomological Society of America, 125
Entomology, Bureau of, at Washington, 352
Evolution of the Human Face, The, 421–25
Expeditions, Abyssinia, 752; Africa, 752; British Imperial Antarctic, 752; Rasmussen's Second Thule, 496; Second Asiatic, 229

Far Away and Long Ago, 500
Farrand, Livingston, 352
Felt, E. P., 342
Fertility of devastated territory in France, 124
Field and Study, 571
FISHER, G. CLYDE, The Honorable Position of Naturalist, 568–69
Fisher, G. Clyde, 227, 504
Fisheries, New College of, 367–69; United States Bureau of, 753
Fisheries of the North Sea, The, 496
Fishes, Color patterns of, 497; The Senses of, 322–24
Fish, Salmon, 370; Climbing, 349–51
Fishskins, tanning and preparation of, 753
Five Land Features of Porto Rico: A Story of Cause and Effect, 522–40
Flexner, Simon, 121
Florida, descriptive works on the flora of, 238; snails, 657–64
Florida Keys, An "Old Tramp" among the, 657–64
Food for a Family of Five, 336–39
Forest Conservation in New York State, 84–103; 739–40
Four Years in the White North, review, 73–83
Fowler, A., 750
Fox, William Henry, 750
Fresh-water farming, 478–88
Fuertes, Louis Agassiz, 331
Fustic wood, 238

Garman, Samuel, of the Agassiz Museum, 730
Geographer at the Front and at the Peace Conference, A, 511–521
Geography, importance of teaching, 233
Glacier, Llewellyn, 614–20
Gleason, Henry Allan, 352
Goddard, Pliny E., 120, 756
Granger, Walter, 733, 756
Graves, Henry S., 119
GREELY, A. W., Russian Explorations of the Siberian Ocean in 1918, 182
Greenland, Plant Life of Northwest, 272–91
GREGORY, WILLIAM K., The Evolution of the Human Face, 421–25
Gregory, William K., 348, 731, 755
GREIG, MARY, Food for a Family of Five, 336–39
GRISCOM, LUDLOW, War Impressions of French Bird Life, 411–15
Group, blue shark, 353
Guatemala, reconstruction of, 238
GUDGER, E. W., The Myth of the Monkey Chain, 216–21
Gudger, E. W., 125, 239

HAGEDORN, HERMANN, *Theodore Roosevelt's Letters to His Children*, 541–42
Hale, George Ellery, 749
Handbook of Travel, 236
Harmer, Sidney Frederick, 347
HARPER, ROLAND M., Some Vanishing Scenic Features of the Southeastern United States, 192–204
Harper, R. M., 236
Harriman, William Averell, 239
Has Progressive Evolution Come to an End? 35–39
Hawkins, Eugene D., 501
Heligoland, 749
Heller, Edmund, 752
HERM, CHARLES F., Cinema-microscopy an Essential to Modern Science and Education, 441–47
Hermann, Adam, 741–42
HERRICK, C. JUDSON, The Senses of Fishes, 322–24
HEWITT, C. GORDON, The Coming Back of the Bison, 552–65
Hewitt, C. Gordon, 228
Hildburgh, W. L., 239
Hoactzin—Only Survivor of an Ancient Order of Four-footed Birds, The, 162–69
Honorable Position of Naturalist, The, 568–69
Hornaday, W. T., 228, 553
Howard, L. O., 352
Hrdlička, Aleš, 119
Hubbs, Carl L., 345
Human Culture, 131–40
Hutchinson, Horace F., 239
Hygiene, public, 751
Hyla boulengeri, 346
Hypelate trifoliata, 662

Illinois, museum of the University of, 352
Indians, Chiriquians, 141–51; Misskito, 120; Sumu, 120
Indian, costume of chief, 235; Peace Medal, 113–14; poetry, American, 301–7
"Inquiry," American organization known as the, 227
Inteligence of Negro Recruits, The, 680–85
International, Bird Protection, 123; hydrographic and fishery investigation, 753; Research Council, 750, 751
International Journal of American Linguistics, The, 120
Island Animals and Plants, 665–69

Jacobi, Abraham, 745
Jardin des Plantes, a new, 352
Jefferson, Thomas, 405–410
JOHNSON, DOUGLAS W., A Geographer at the Front and at the Peace Conference, 511–21
JOHNSON, R. D. O., The Climbing Fish, 349–51
Jonas, Coloman, 237
JORDAN, DAVID STARR, Personal Glimpses of Theodore Roosevelt, 15–16; The Red Salmon, 370–71
Juilliard, Augustus D., 493

Keen, W. W., 495
Kelly, Richard B., 239
Kentucky Warbler, The, 396
Klamath Lake Reservation, 734
KNIGHT, CHARLES R., Wild Life in Art, 460–69
Knight, Charles R., 755
Kouznetsov, A. K., 495
Kroeber, A. L., 133

Lafayette National Park, Mount Desert Island, Maine, 121
Lambe, Lawrence M., 351
LANG, HERBERT, Nomad Dwarfs and Civilization, 696–713
LANGFORD, GEORGE, The Dawn of Art, 621
Lankester, Sir E. Ray, 750
LAVARRE, WILLIAM J., A Real El Dorado, 714–22
LeConte Memorial Lectures, 500
Lectures at the American Museum, 504
Leng, Chas. W., 341
Letter from John Burroughs, A, 491
Lewis and Clark, Expedition, 113; bronze memorial to, 754
Liguus, 657–64
Lincoln Highway, Delaware, 502
Llewellyn Glacier, British Columbia, 614–20
LOBECK, A. K., Five Land Features of Porto Rico: A Story of Cause and Effect, 522–40
Lobeck, A. K., 357
Longley, William H., 497
Louvain, library of the University of, 493
LOWIE, ROBERT H., Primitive Ideas on Numbers and Systems of Measurements, 110–12
LUCAS, F. A., The Remaking of a Museum Collection, 222–26
Lucas, F. A., 360, 504, 679
Lumber, method of drying, 124
LUTZ, FRANK E., Scientific Zoölogical Publications of the American Museum, 340–46; 731–33
Lutz, Frank E., 125

MacCallum, G. A., 341; W. G., 341
MACCURDY, GEORGE GRANT, Nature Reflected in the Art of the Ancient Chiriquians, 141–51
MacMillan, Donald B., 73
McDunnough, J., 342
McIlhenny, E. A., 45–46
Mahogany, monographs on, 238
Malheur Lake Reservation, 734
Marine Biological Laboratory, Woods Hole, 496

MATTHEW, W. D., Honor to Adam Hermann, 741–42
Matthew, W. D., 491, 503, 732, 733
Medal, University of Paris World War, 747
Megnalonyx jeffersonii, 406
Mell, C. D., 238
Members, 125, 239, 361, 506, 756
Mendenhall, C. E., 749
Metchnikoff, Élie, 779
Method and the Knowledge of Science, The, 155–61
Metropolitan Museum of Art, exhibition of plant forms in design, 503
Mexican government bureau of archæology and ethnology, 752
Michigan, public parks, 236
Miller, Gerrit S., 754
Miller, Leo E., 9, 221
MILLS, ENOS A., The Wars of the Wind at Timber-line, 426–35
Miner, Roy W., 504
Mineral Deposits of South America, The, 753
Minerals, International Control of, 750
Mintorn, H., 347
MITCHELL, S. A., The Total Solar Eclipse of 1918, 244–63
Mitchell, S. A., 264
Mogridge, Mrs. E. S., 347
Molina, Enrique, 503
Mona Island Declared a Forest Reserve, 743
Monograph of the Pheasants, 755
"Monographs on Experimental Biology," 495
Montana, University of, 500
MOORE, BARRINGTON, *Our National Forests*, review, 334–35
Moore, Barrington, 239
Moore, Clarence B., 120
Morgan, Lewis Henry, 120
MOSCRIP, FRANCES E., Sight Conservation Classes in New York Schools, 116
Murals in hall of the Age of Man, 755
Murphy, Robert Cushman, 122, 359, 340, 345
Murrill, William Alphonso, 115
Museo Nacional de Chile, 121
Museum Collection, The Remaking of a, 222–26
Mutchler, Andrew J., 341
Myth of the Monkey Chain, The, 216–21

National, Academy of Sciences, 118, 750, 751; Councils, Federation of, 118; Parks Association, 497; Research Council, 352
NATURAL HISTORY, a bi-monthly, 745
Natural History of Selborne, 566, 569
Nature, fiftieth anniversary, 747
Nature Reflected in the Art of the Ancient Chiriquians, 141–51
Nature, The Love of, 570–82
Nature's Mobilization, 205–10
NEEDHAM, JAMES G., Peace Conditions, 152–54
Negro, progress in education of, 751
NELSON, N. C., Human Culture, 131–40
NELSON, E. W., Region too Alkaline for Crops, 734–35
New Gaspé Bird Sanctuaries, The, 372–81
New York, Academy of Sciences, 511; Aquarium, 352; Botanical Garden, 356; Forest Conservation in, 84–103; Schools, Sight Conservation Classes in, 116; State College of Forestry, 501; State Wild Life Memorial to Theodore Roosevelt, 726–29; Zoological Park, 228
Nichols, Hobart, 237
NICHOLS, J. T., Samuel Garman, of the Agassiz Museum, 730
Nichols, J. T., 345
Noble, G. K., 239, 345
Nomad Dwarfs and Civilization, 696–713
Notes, 117–25, 227–39, 351–61, 493–506, 745–758
Notes by a Collector in the Colorado Rockies, 170–81
Notes on Our Hawaiian Reservation, 382–95

Oberlin College, 752
Observations on the Water Birds of Louisiana, 44–56
Observatory, Leander McCormick, 264; United States Naval, 264; Yerkes, 271
Okapi, 754
Olsen, Chris. E., 341
Opisthocomus hoazin, 163
OSBORN, HENRY FAIRFIELD, Sequoia—the Auld Lang Syne of Trees, 598–613; Theodore Roosevelt, Naturalist, 8–10
Osborn, Henry Fairfield, 119, 348, 351, 352, 502, 504, 731, 733, 751, 755, 756
Osborn, Mrs. Henry Fairfield, 358
Osler, Sir William, 745
Ottawa Naturalist, 361
Our Centrifugal Society, 292–300
Our National Forests, review, 334–35
Oxystyla, 657, 660–61

Pacific Coast, Latest Conservation News from, 736–37
Painting the Solar Corona, 264–71
Palos Forest Preserve, 754
Panama, Unknown, 308–21
Panda, giant, 753
PAPE, F. A. G., Yachting in the Seven Seas, 211–15
Paris, University of, 747
PATRICK, G. T. W., Our Centrifugal Society, 292–300
PATTON, JOHN S., Thomas Jefferson's Contributions to Natural History, 404–10
Patton, John S., 494
PAYNE, FRANK OWEN, Sculptures of the Late Theodore Roosevelt, 543–51
Peace Conditions, 152–54
Pearson, Sir Arthur, 233
PEARSON, T. GILBERT, Wild Life Conservation along the Gulf Coast, 40–43
PEARY, ROBERT E., Roosevelt—The Friend of Man, 11
Personal Glimpses of Theodore Roosevelt, 15–16
Peru, Recollections of Travel in, 183–91
Peters, W. B., 237
Pheasant Farms in China, 354
PHILLIPS, E. F., Conserving Our Natural Resources of Sugar, 416–20
Pickering, Edward Charles, 236
PINCHOT, GIFFORD, Roosevelt, the Man of Abundant Life, 17–18
Plant Life of Northwest Greenland, The, 272–91
Plant Materials of Decorative Gardening, 503
Plautus impennis, 753
Porto Rico, Five Land Features of: A Story of Cause and Effect, 522–40
Potocki, Count, game preserve, 749
Potter, Frederick, 239
PRATT, GEORGE D., Forest Conservation in New York, 84–103
Primates, hall of, in American Museum, 235
Primitive Ideas on Numbers and Systems of Measurement, 110–12
Prion, 359
Pygmy Races of Man, The, 686–95
Pygmies of Central Africa, 697–713

Quarterly Journal of Microscopical Sciences, 750
Quest of the Ancestry of Man, 489–90

Rafinesque, C. S., 749
Rasmussen's Second Thule Expedition, 496
READ, L. C., Photographs of Llewellyn Glacier, British Columbia, with Field Notes, 614–20
Recollections of English Naturalists, 325–29
Recollections of Travel in Peru, 183–91
Red Cross societies, league of, 745, 746
Region too Alkaline for Crops, 734–35
Reply to Mr. Burroughs by Dr. W. D. Matthew, 491–93
Ridgway, Robert, 228
Ridsdale, Percival S., 235
Rockefeller Foundation, 745, 746
Roosevelt, Kermit, 9
Roosevelt, Memorial Bird Fountain, 496; Memorial Day at American Museum, 756; Memorial Exposition at Columbia University, 352; Permanent National Committee, 234; —The Friend of Man, 11; The Man of Abundant Life, 17–18; Theodore, 4–7, 352; Theodore, and Africa, 12–14; National Park, 118; Sculptures of the Late Theodore, 543–51; Theodore, "Letters to His Children," 541–42; Theodore, Naturalist, 8–10; Neandross' bust of, 756; New York State Wild Life Memorial to Theodore, 726–29; Tree planted by John Burroughs, 756
Russian Explorations of the Siberian Ocean in 1918, 182

St. Dunstan's Hostel for Blinded Soldiers, 233
Sakurai, Joji, 228
Salmon, The Red, 370–71
Sanford, L. C., 753
Sargeant, Anna, 235
Sartiaux, Félix, 358
Schmidt, Karl P., 239
Science, the Method and Knowledge of, 155–61
Scientific American Monthly, 747
Scientific Survey of Porto Rico and the Virgin Islands, 754
Scientific Zoölogical Publications of the American Museum, 340–6; 731–33
Sculpture, Zoölogical, 448–77
Sea lion and the fishing industry, 124
Seals on Pribilof Islands, 124
Selborne, England, 568
Selous, Captain F. C., 494; 752
Senses of Fishes, The, 322–24
Sequoia—the Auld Lang Syne of Trees, 598–613
Seton, Ernest Thompson, 331
Shark, blue, 353
SHELFORD, VICTOR E., Nature's Mobilization, 205–10
Sherwood, George H., 504
SHUFELDT, R. W., Zoölogical Statuary at the National Capital, 470–77
Sight Conservation Classes in New York Schools, 116
Signposts indicating watering places in deserts, 752
SIMPSON, CHARLES T., An "Old Tramp" among the Florida Keys, 657–64
Sleeper, Governor, of Michigan, 236
Small, John Kunkel, 199, 238
SMITH, HUGH M., New College of Fisheries in the Northwest, 367–69
Smithsonian Institution, 495
Snow crystals, 436–40
Solar Corona, Painting the, 264–71
Solar Eclipse of 1918, 244–63
Some Vanishing Scenic Features of the Southeastern United States, 192–204
Spalding, Volney M., 233
Spier, Leslie, 133
SPINDEN, HERBERT J., American Indian Poetry, 301–7; Creating a National Art, 622–30; Series of Photographs from the First Exhibition of American Textiles, Costumes, and Mechanical Processes, 631–54
Spinden, Herbert J., 120, 504
Sternberg, C. H., 351
Stoll, Frederick H., 235
Studies in Aquiculture or Fresh-water Farming, 478–88
Sturtevant, A. H., 342
SULLIVAN, LOUIS R., The Pygmy Races of Man, 686–95
Sun, total eclipse of, 496
Swietenia mahagoni, 238; *macrophylla*, 238

Telescope, the second largest in the world, 122
Textile Exhibition at the American Museum, 631–54
Theodore Roosevelt's Letters to His Children, review, 541–42
Thomas Jefferson's Contributions to Natural History, 404–10
Tokyo, Institute of Physical and Chemical Research in, 228
Torre, Carlos de la, 733
TRABUE, M. R., The Intelligence of Negro Recruits, 680–85
Trees, artistic roadside planting of, 356; Conservation of, 736; in "Honor Grove" of Central Park, 746; Sequoia, 598–613
Tropical Research Station in British Guiana, 352
TROWBRIDGE, S. BRECK PARKMAN, Zoölogical Sculpture in Relation to Architecture, 448–59
Trustees, meetings, 228, 239

United States Forest Service, 753
Unknown Panama, 308–21

VAN NAME, WILLARD G., Island Animals and Plants, 665–69
Victoria Naturalist, 124
Virginia deer, 754

Walcott, Charles D., 749
War, death rate in, 751
War Impressions of French Bird Life, 411–15
Ward, Herbert, 752
Warren Mastodon, 496
Wars of the Wind at Timber-line, The, 426–35
Whale, model of killer, 360
Whaling industry on Long Island, relics of, 501
Wheeler, W. M., 352
WHELEN, TOWNSEND, Unknown Panama, 308–21
White, Gilbert, 568
WHITLOCK, HERBERT P., Art Motives in Snow Crystals, 436–40
Wild Animals of North America, review, 330–33
Wild Horses of the Plains, 104–114
Wild Life Conservation Along the Gulf Coast, 40–43
Wild Life in Art, 460–69
Williston, Samuel Wendell, 755
Wilson, Alexander, 396–403
Wilson, President, 118, 227
Winter Botany, 503
WISSLER, CLARK, An Indian Peace Medal, 113–14
Wissler, Clark, 120, 750
Wolves, timber, 237
Woodcraft League of America, 501

Yachting in the Seven Seas, 211–15
Yellowstone Park, Elk, 743; museum, 752
Yucca House National Monument, 749

Zoölogical Sculpture in Relation to Architecture, 448–59; Statuary at the National Capital, 470–77
Zoological Society of London, 125